

WHAT IS CLAIMED IS:

1. A loudspeaker comprising:

a magnet assembly having a cylindrically-shaped flux gap;

a diaphragm suspended from a mounting;

5 a wire coil coupled to the diaphragm for moving the diaphragm in a reciprocating, linear fashion, the wire coil including a wire wound around a cylindrical base with spacing between adjacent windings of the wire substantially between seventy-five to one hundred fifty percent of the wire's diameter.

10 2. A loudspeaker comprising:

a motor, including a magnet assembly and wire coil;

a diaphragm coupled to the coil suspended from a non-sound-reflective basket.

*(100)
via conductive material*

3. A loudspeaker comprising:

15 a motor, including a magnet assembly and wire coil;

a basket from which is suspended a diaphragm coupled with the coil; and

a perforated metal cover connected to the basket for protecting the diaphragm;

wherein the basket is made of a heat conductive material and is in thermal communication with the motor for conducting heat generated by the coil to the cover.

20 4. A loudspeaker comprising:

a diaphragm;

a magnet assembly defining a cylindrically-shaped flux gap;

an inner and an outer thermally conductive, cylindrically-shaped metal sleeves

25 disposed within the flux gap; and

a coil disposed within the flux gap between the inner and outer sleeves.

5. A loudspeaker comprising an acoustic driver mounted to one end of a hollow,

elongated structure and a relatively stiff plate mounted on a compliant suspension mounted

30 to an end of the elongated structure opposite the of driver.

6. A loudspeaker comprising:

an acoustic driver;

an enclosure extending rearwardly from the acoustic driver and terminating in an annular opening facing in a direction generally opposite of the acoustic driver.

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